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TITLE: AUTHENTICATION SYSTEM USING IC CARD AND IC CARD

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ABSTRACT:

PROBLEM TO BE SOLVED: To authenticate also a true owner of an IC card when authenticating a specific system by the IC card.

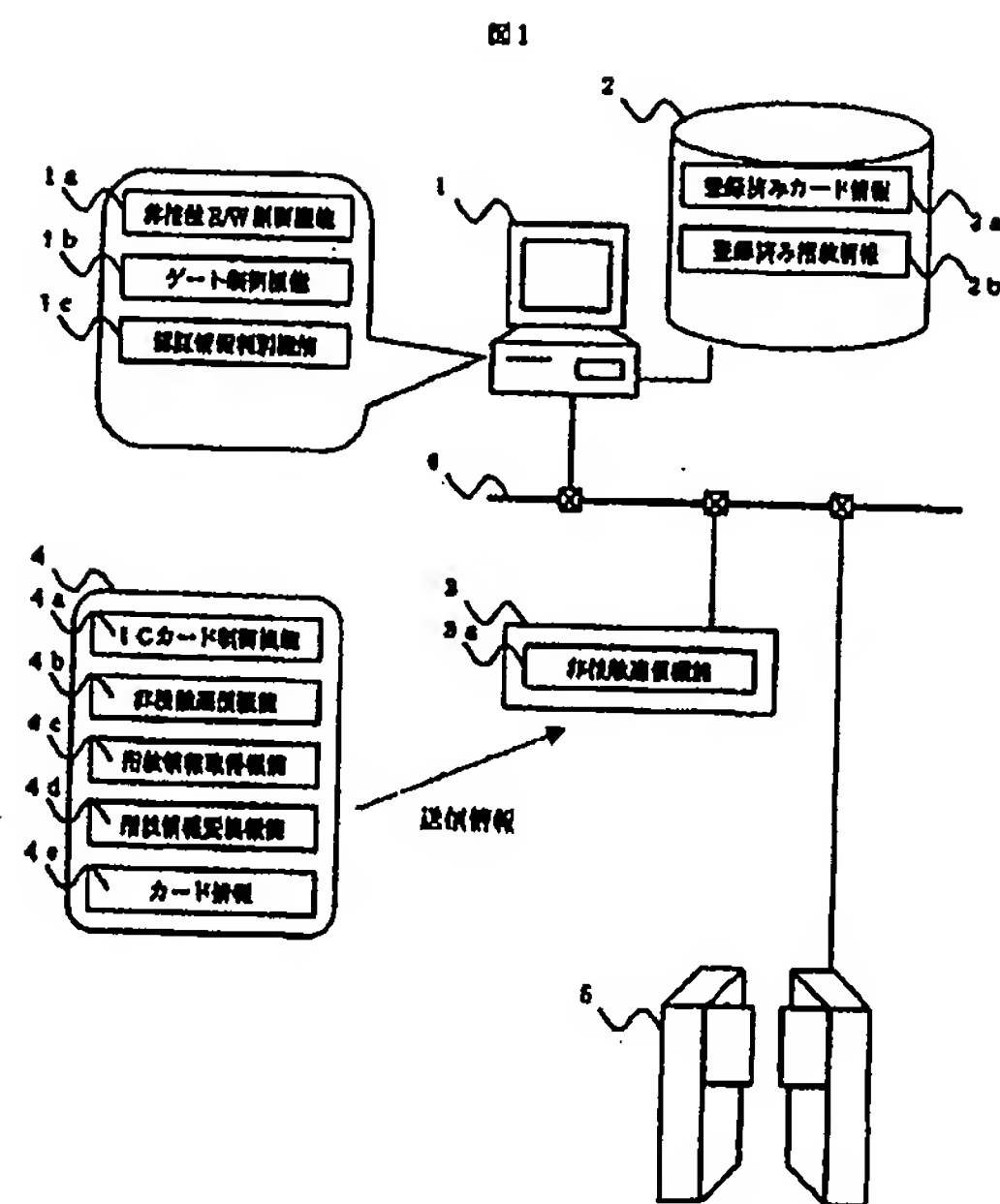
SOLUTION: The card information of IC cards each of non-contact type and the fingerprint information of a true owner of the IC card has been registered in a database 2 as registered card information 2a and registered fingerprint information 2b. When a user of the non-contact IC card 4 puts the IC card 4 on a non-contact reader/writer 3 and touches a fingerprint input means of the IC card 4 with a finger, the fingerprint information is read out by the IC card 4 and the fingerprint information and the card information 4e are read out together by a server 1 through the non-contact reader/writer 3. The server 1 confirms whether the card information 4e has been registered as the registered information 2a or not to authenticate the IC card 4, and when the IC card 4 is authenticated, confirms whether the fingerprint information has been registered as the fingerprint information 2b or not to authenticate the card user.

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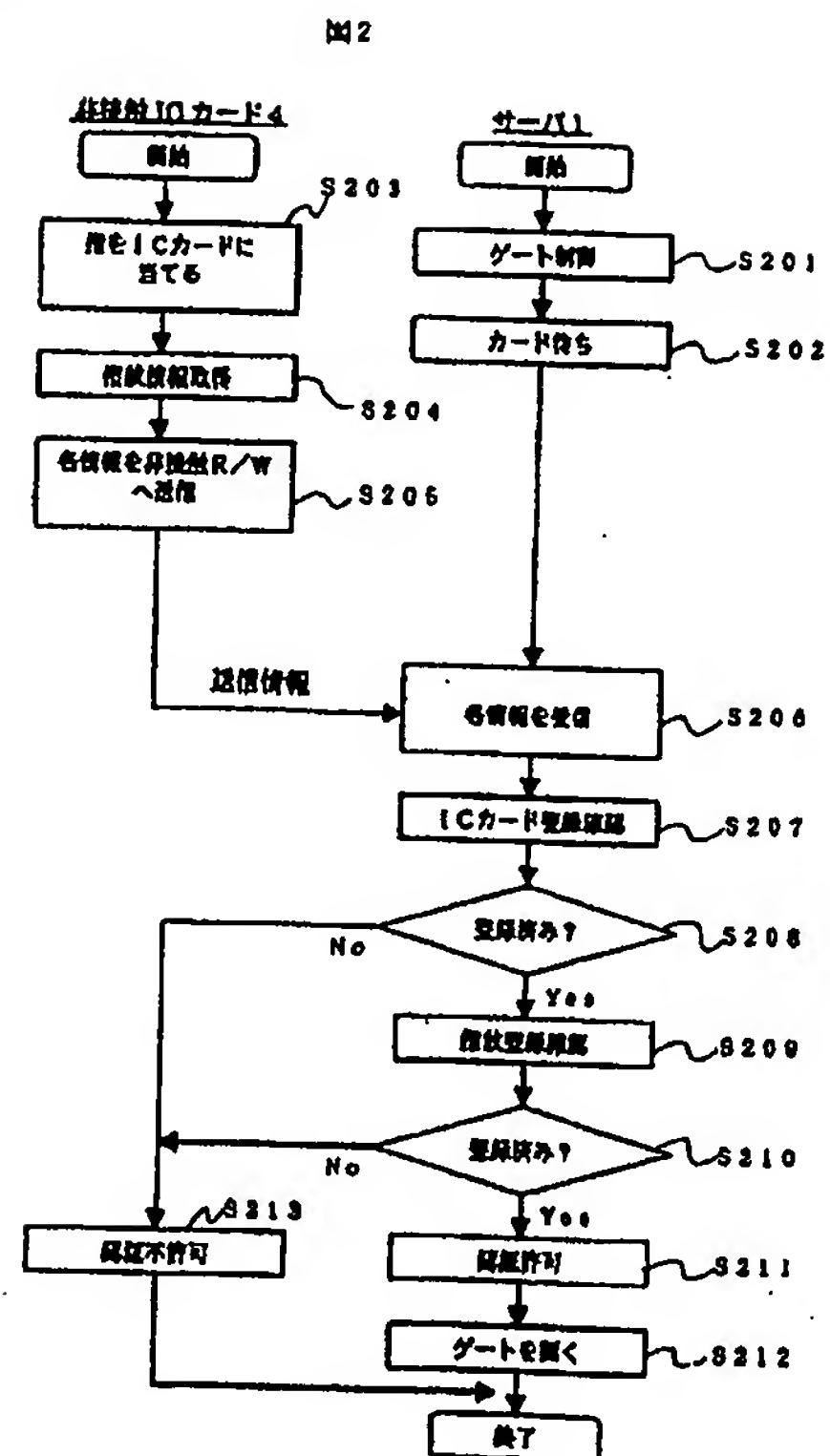
- | | |
|-----|---------------|
| 5 | ゲート |
| 6 | ネットワーク |
| 7 | P O S 端末 |
| 7 a | 電子マネー処理機能 |
| 8 | I C カード読み書き装置 |
| 8 a | 指紋情報取得機能 |
| 8 b | 指紋情報変換機能 |
| 8 c | I C カード通信機能 |
| 8 d | 非接触通信機能 |
| 9 | 接触 I C カード |
| 9 a | I C カード制御機能 |
| 9 b | カード情報 |
| 9 c | 接触通信機能 |

10

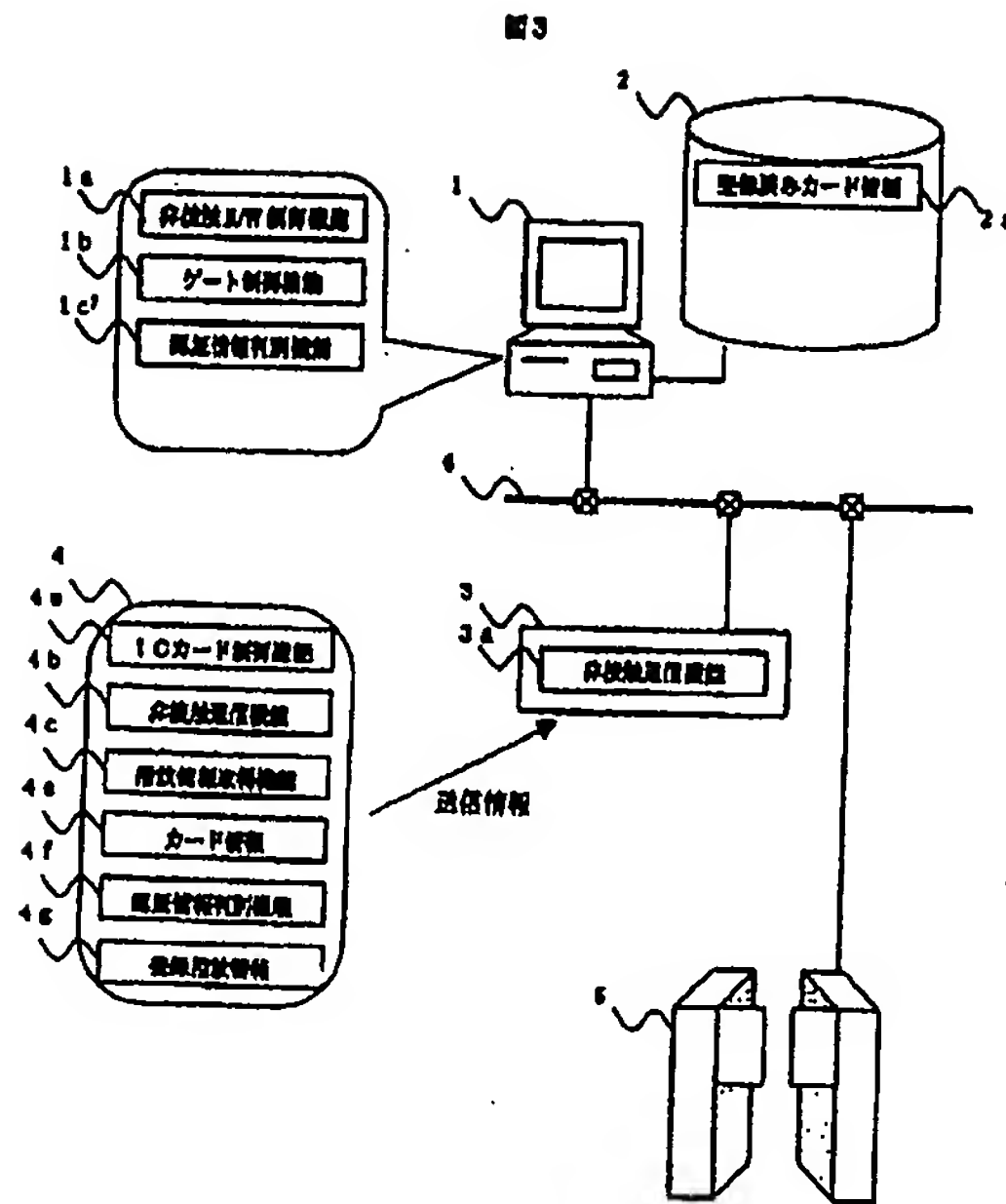
【 図 1 】



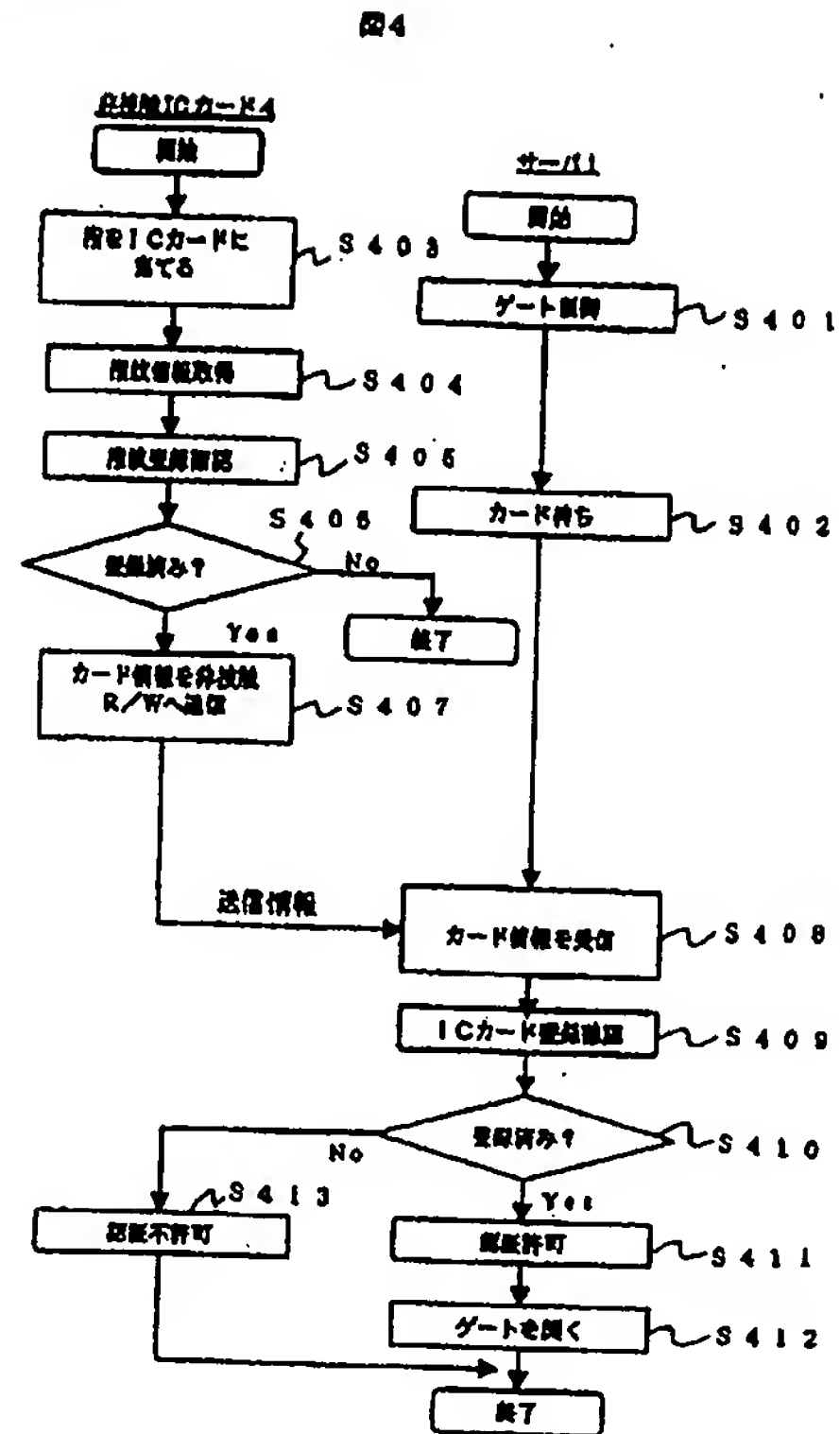
【图 2】



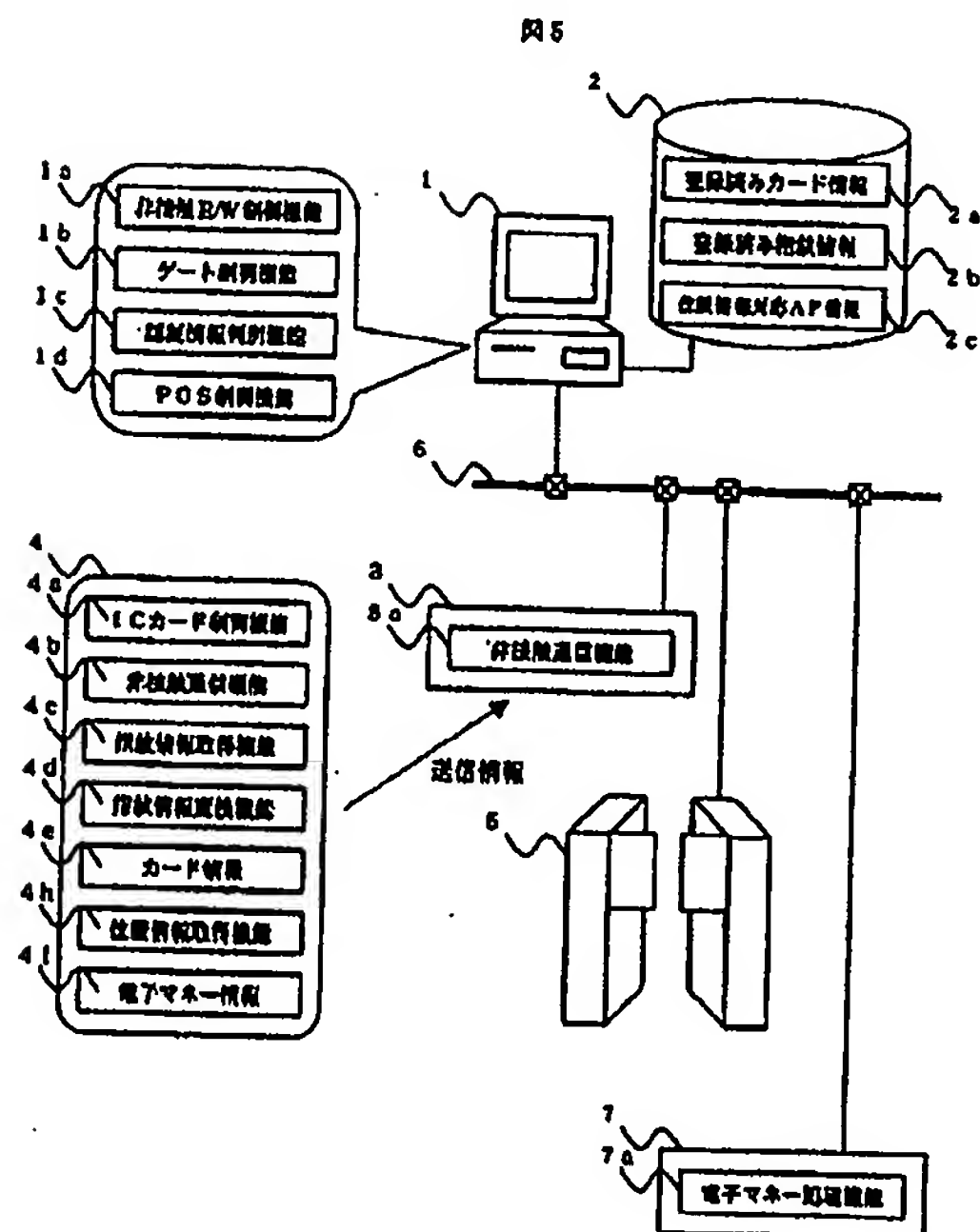
【図 3】



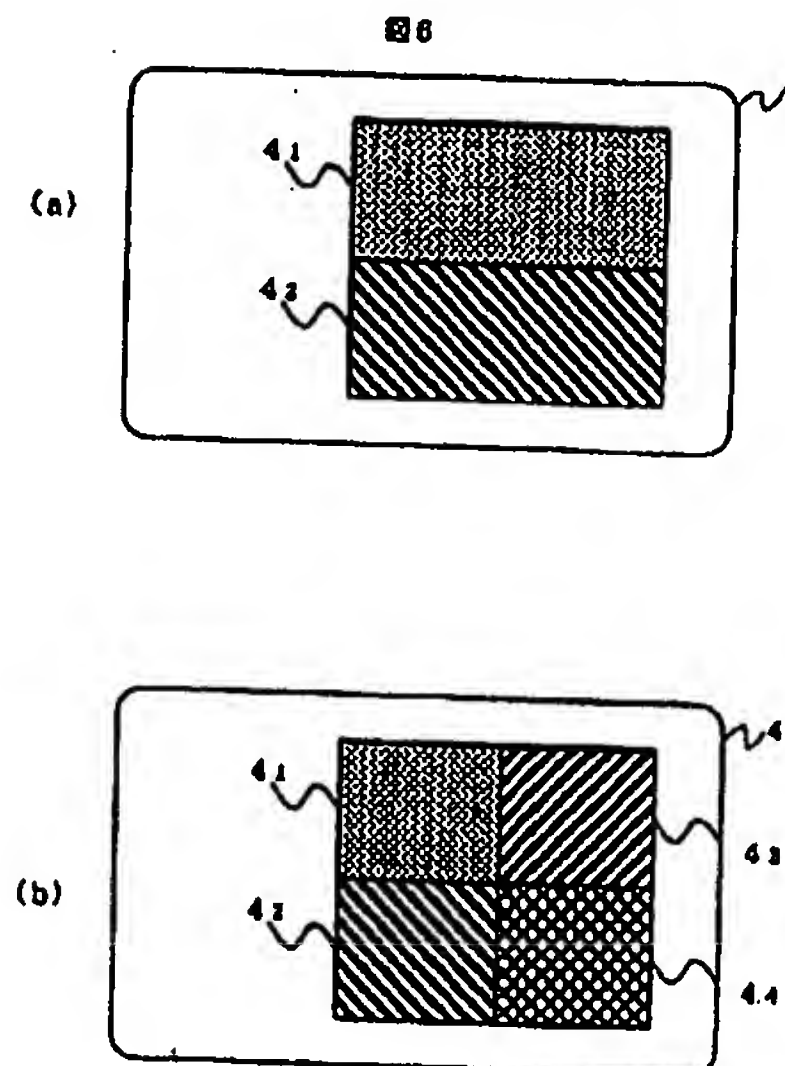
【図 4】



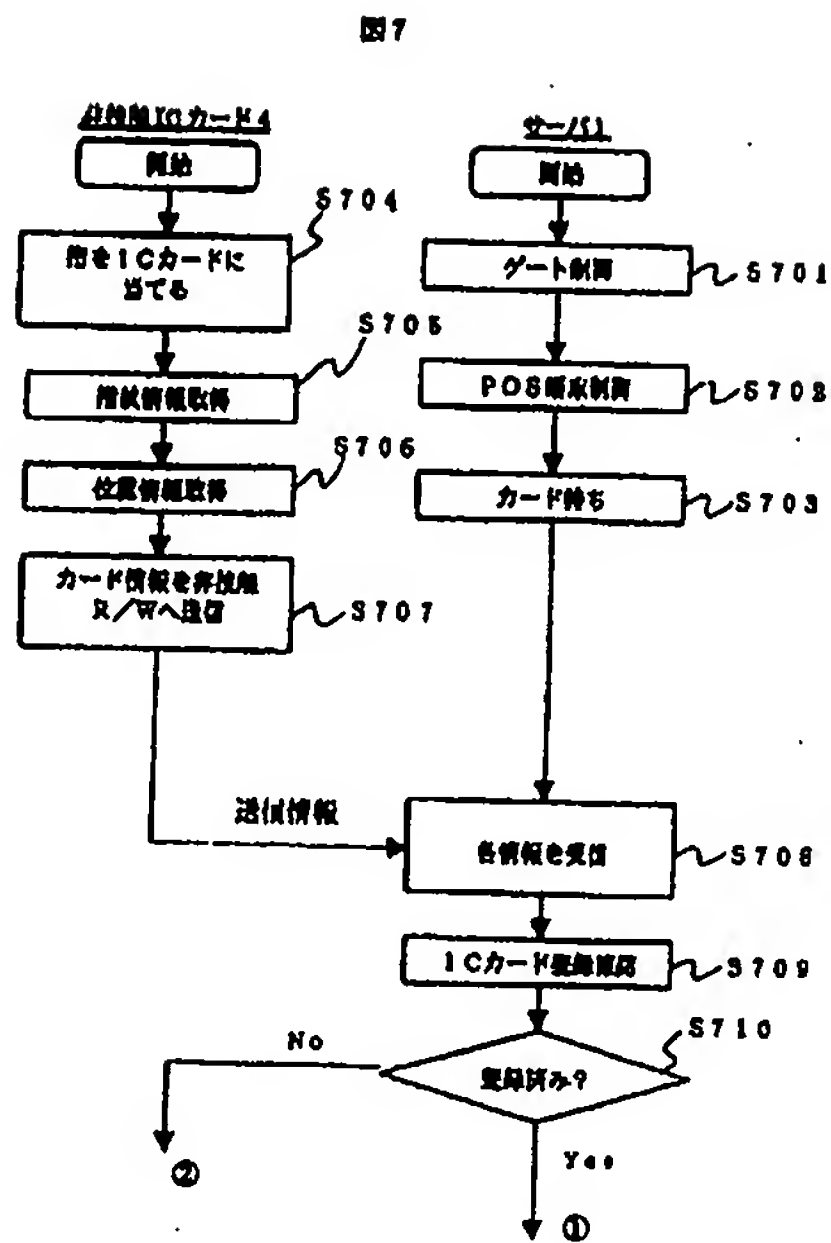
【図 5】



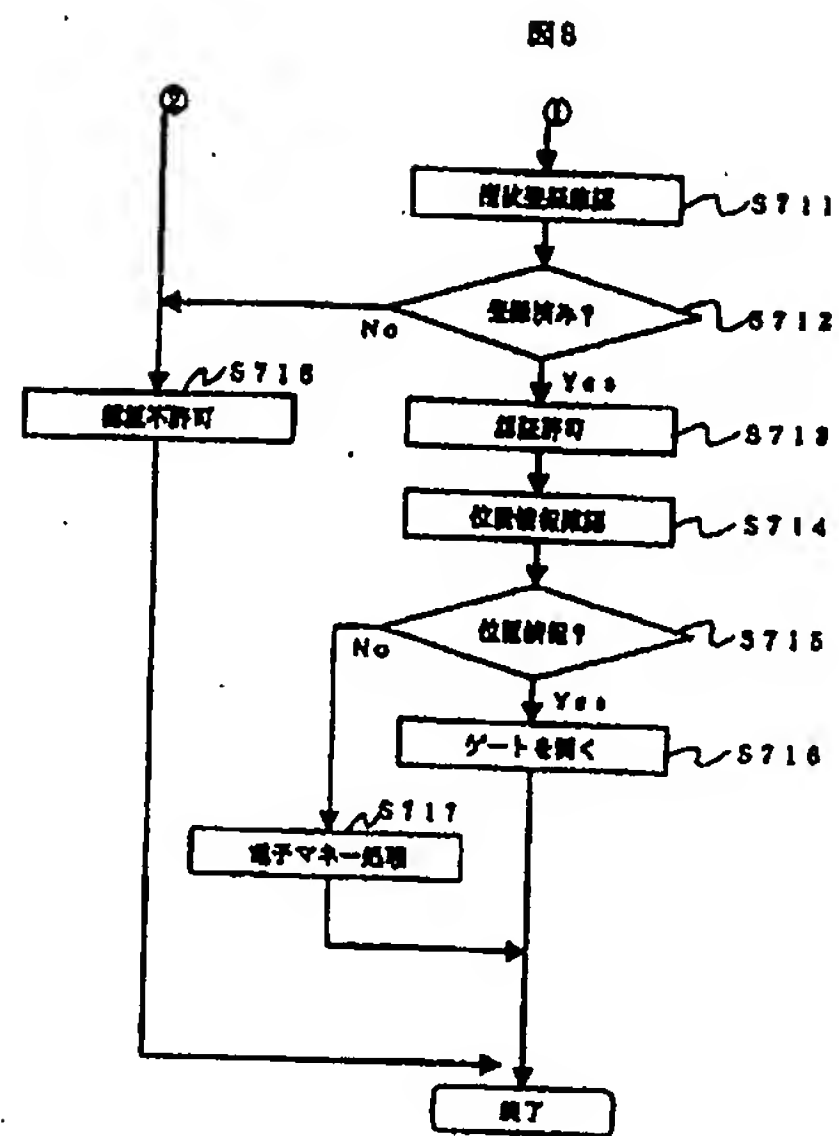
【図 6】



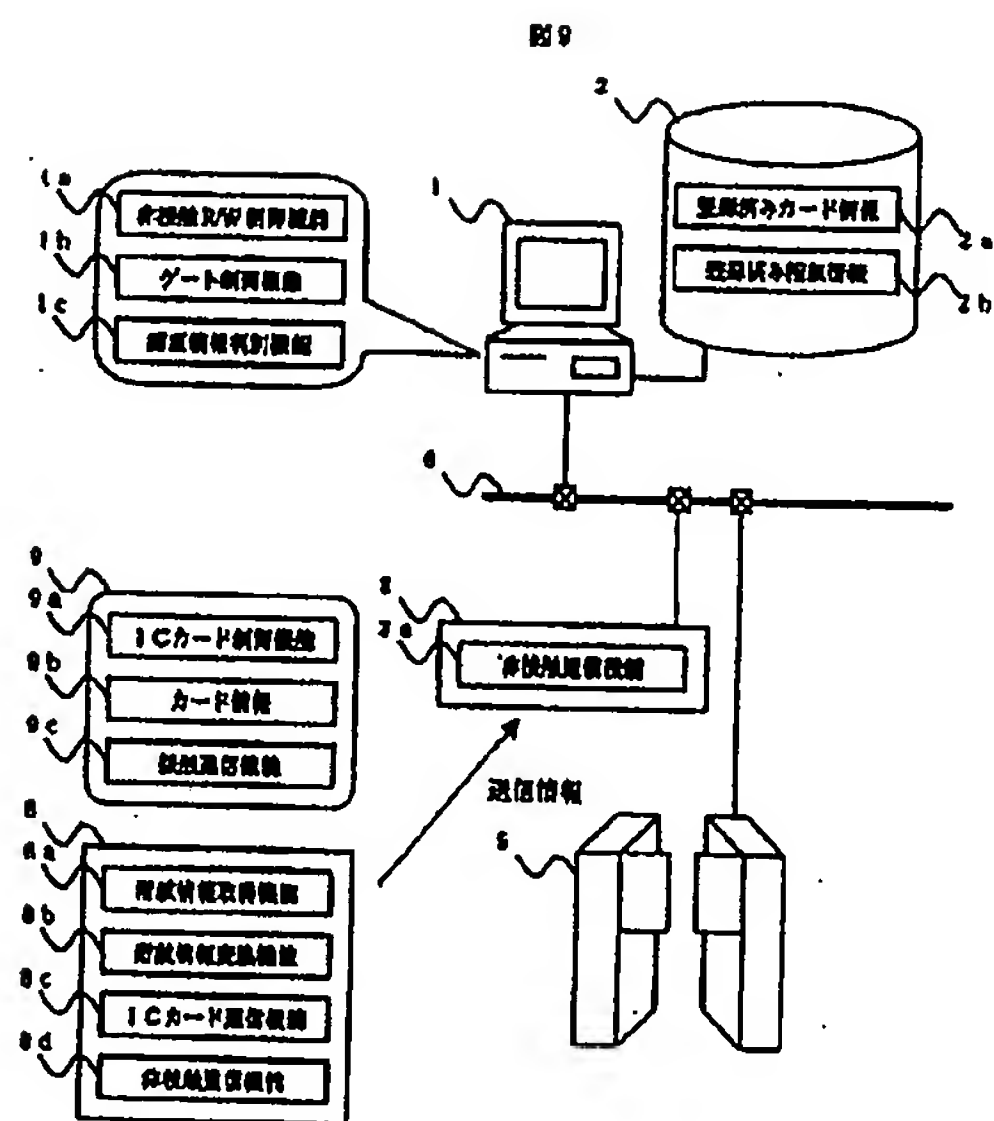
【図 7】



【図 8】



【図 9】



【図 10】

